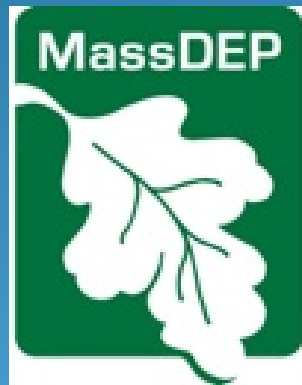


2020 Solid Waste Master Plan Status Update



John Fischer, Mass DEP
Solid Waste Advisory Committee
January 25th, 2018

Materials Management Capacity

- Disposal Capacity
 - 1.2 million tons in 2017 to 500,000 tons in 2021
 - Net export for disposal 660K – 1.5 million tons in 2021
- **211** transfer stations
- **9** MRFs (many other recycling facilities)
- **17** C&D processors
- **186** MassDEP compost or AD operations
- **32** DAR registered sites taking off site food materials
- **12** building materials reuse outlets

Commercial Waste

Top 10 ICI Materials

Rank	Material	Percentage
1	Food Waste	23.4
2	Uncoated Corrugated Cardboard/Kraft Paper	12.3
3	Wood – Treated	7.1
4	Other Plastic Film	6.6
5	Compostable Paper	5.5
6	Textiles	4.8
7	Other Recyclable Paper	4.3
8	Carpet and Carpet Padding	3.9
9	Remainder/Composite Plastic	3.3
10	Wood – Untreated	2.8
Subtotal:		74%

Commercial Waste Reduction

- RecyclingWorks in Massachusetts
 - > 1,100 hotline calls/year
 - > 285,000 web visits
 - Direct assistance to 4,600 businesses
 - Presented at > 160 events
 - Developed extensive guidance and case studies

Commercial Waste Reduction

- School Green Team program
 - 2016-17: **288** schools with nearly **60,000** students
- RecyclingWorks guidance for contracting with haulers
- Not Completed:
 - Hauler recycling legislation – but other related work
 - Regional materials exchange completed but not successful in achieving reuse
 - Held reuse conference, developing other approaches to advance reuse
 - Key materials – food, building materials, office furniture, textiles

Waste Bans Compliance

- Waste Ban Compliance (October 2013- May 2017)
 - 635 Inspections > 15,000 loads inspected
 - Failed load rates – about 17%
 - > 500 NONs
- 16 higher level enforcement with penalty
 - For repeat violations
 - Increased levels of non-compliance recently

Enforcement Actions by Material Type

10/1/13 to 1/19/18

Material	Count	Percentage
Paper/Cardboard	404	81.3
Bottles & Cans	21	4.2
Wood	13	2.6
Commercial Food Waste	12	2.4
Leaf & Yard Waste	10	2.0
Metal	9	1.8
Clean Gypsum Wallboard	8	1.6
White Goods (Large Appliances)	8	1.6
Cathode Ray Tubes (CRTs)	6	1.2
Failing to provide information	2	0.4
Glass Containers	2	0.4
Plastic Containers	1	0.2
Whole Tires	1	0.2
Totals	497	100%

Enforcement by Sector

10/1/13 to 1/19/18

Sector	Total	Percentage
Retail	78	17.5
Property Management/Office Building	61	13.7
Manufacturing/Research	53	11.9
Distribution	49	11.0
Hauler	34	7.6
Hospitality	22	4.9
Government/Municipality	21	4.7
Healthcare	21	4.7
Food Processor	20	4.5
Supermarket	20	4.5
College/University	19	4.3
Restaurant	18	4.0
Utility Service	12	2.7
Construction/Demolition	10	2.3
Other	6	1.4
Landscaper	1	0.2
Totals	445	100%

Market Development

Recycling

- Recycling Loan Fund
 - 2010-2017 to date – **28** loans for **\$7.2 million**
- Recycling Business Development Grants
 - Total of **10** grants active for up to about **\$1.4 million**
 - **Target Materials:** container glass, contaminated single stream recycling, contaminated food materials, C&D wood, and post-consumer bulky rigid plastics
- Next round closes June, 2018

Market Development

Organics

- Infrastructure Growth
 - **175K** tons of AD capacity for organics
 - Projected to grow to more than **400K** tons
 - **5** de-packaging/slurrying operations
 - **500** direct jobs, **900** direct + indirect
 - 2010-2016 – **150%** growth
 - By end of 2017 – additional **50%** growth
- Inter-agency grant and loan programs
 - MassCEC Organics to Energy - **\$5.5 million** in grants
- RecyclingWorks assistance & guidance

Next Steps

- New Meeting Format in 2018: Focused Topic Areas
 - **Commercial Waste Reduction**
 - 1/25 SWAC
 - **Market Development**
 - 1/25 SWAC
 - **Municipal Waste Reduction (incl. organics)**
 - Feb/March Stakeholder Meeting
 - 4/26 SWAC Meeting
 - **C&D Waste Reduction**
 - 3/28 Subcommittee Meeting
 - 4/26 SWAC Meeting
 - **Capacity & Solid Waste Management**
 - June SWAC Meeting



Questions or Additional Information

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